

Figure 1

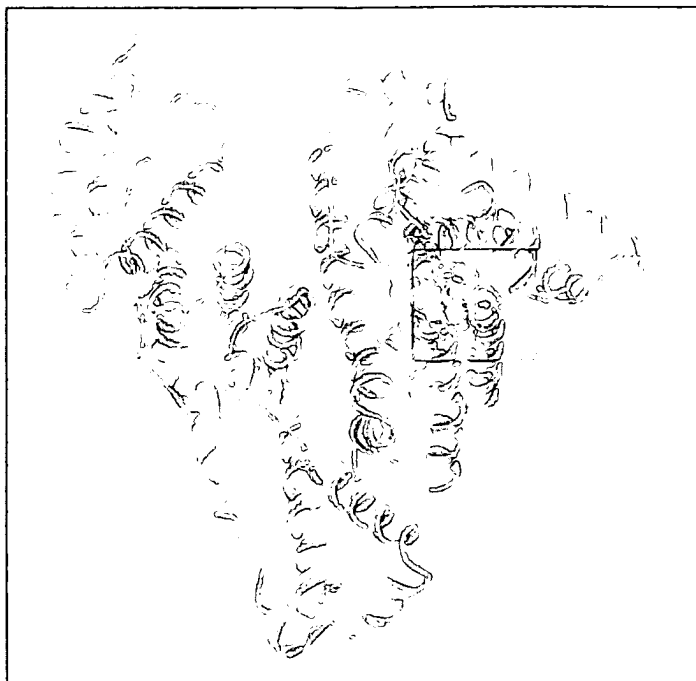


Figure 2

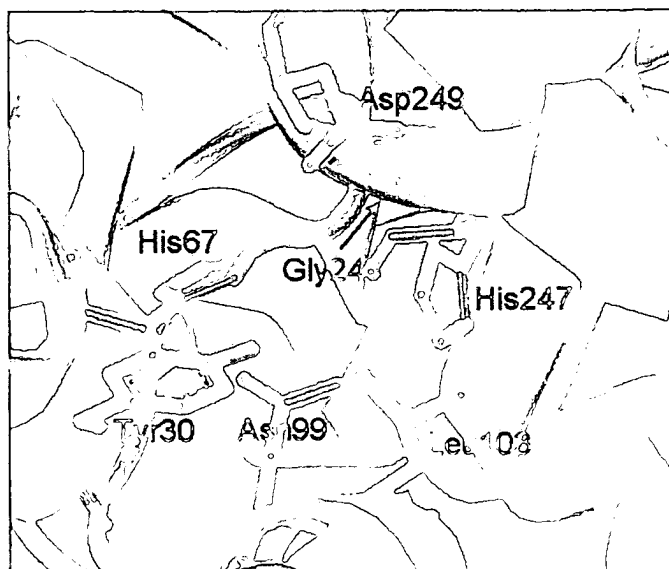
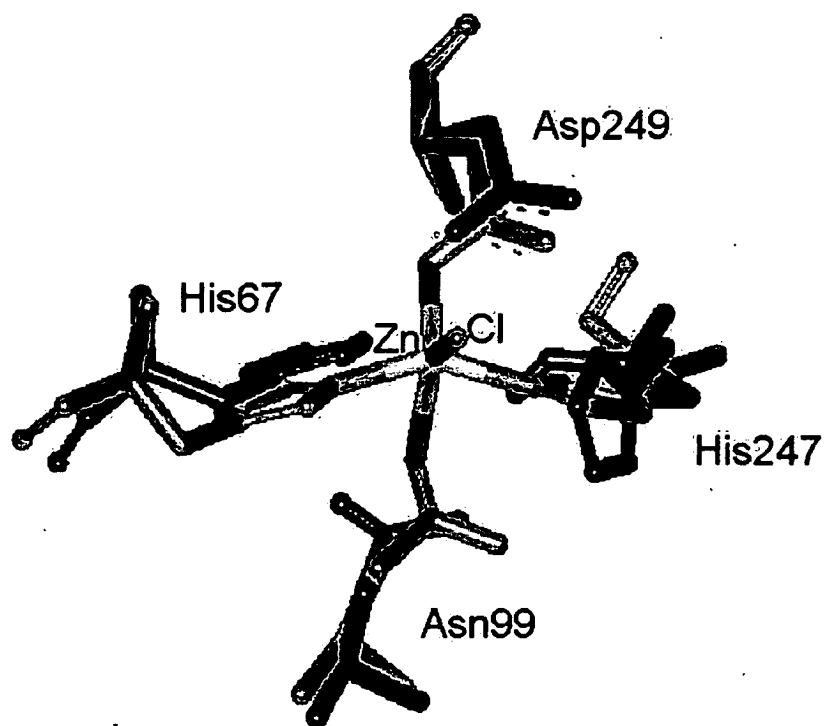
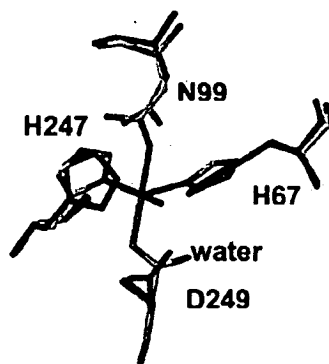


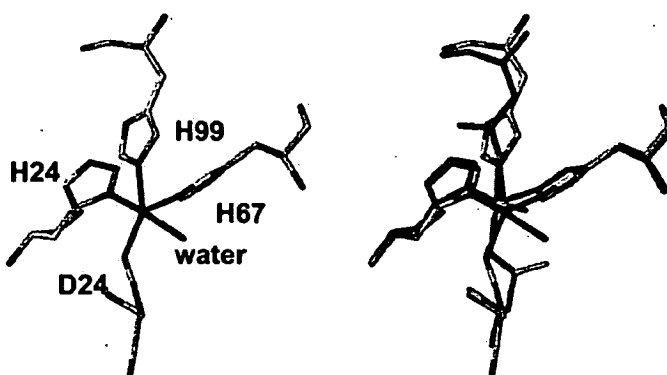
Figure 3a

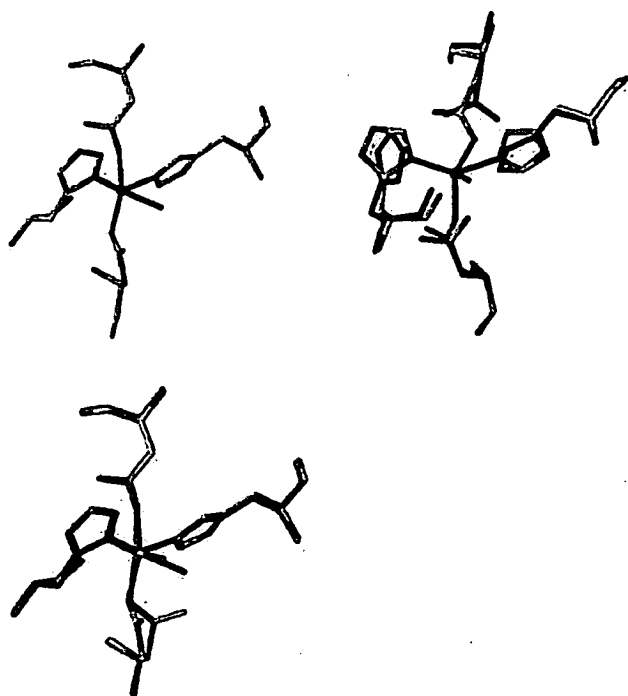


**Figure 3b**

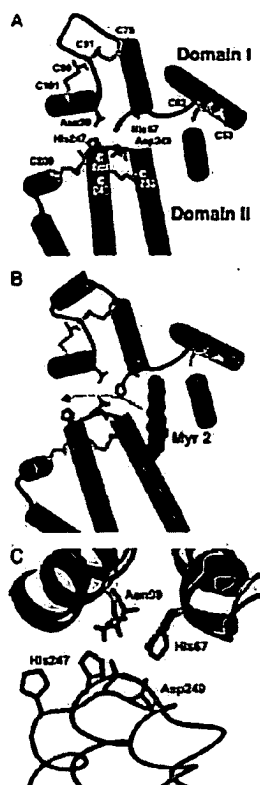


**Figure 3c**





**Figure 3d**



**Figure 3e**

**Figure 4**

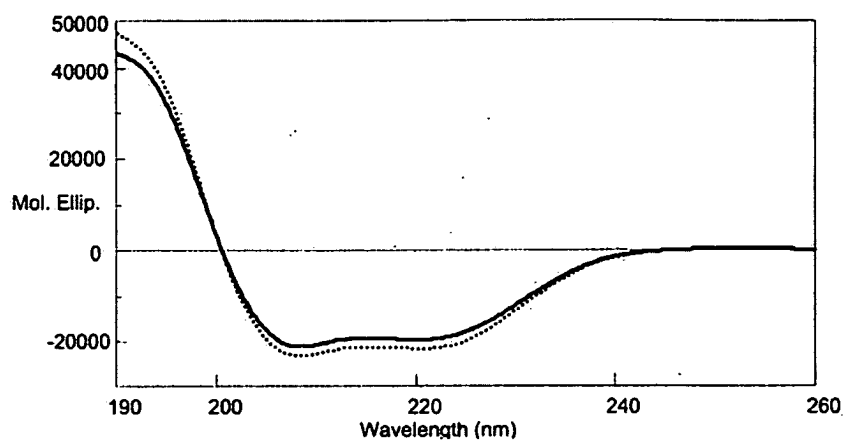


Figure 5

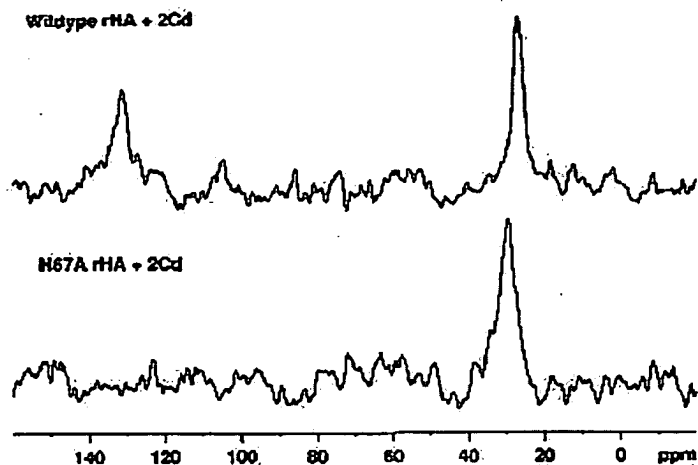


Figure 6

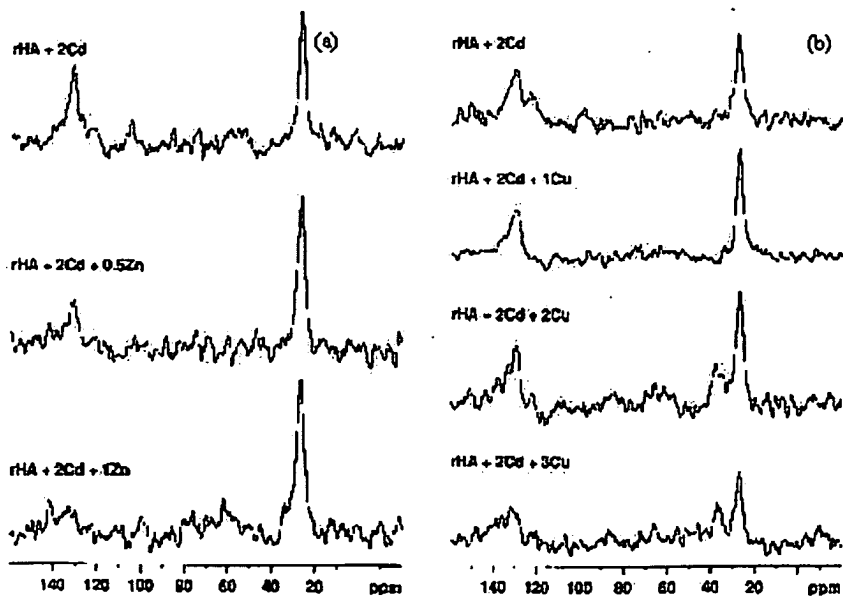
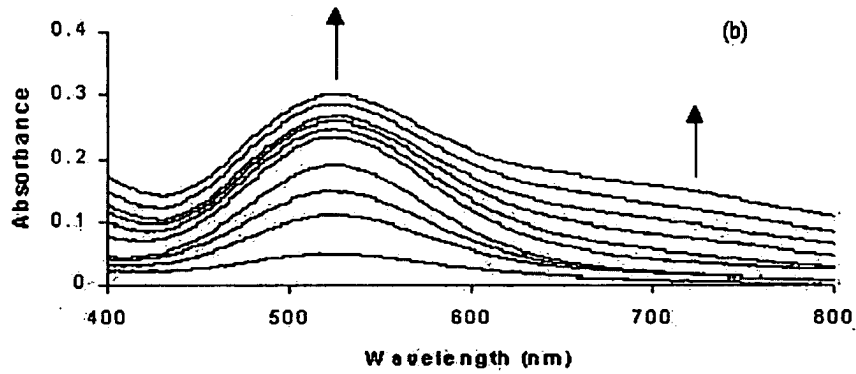
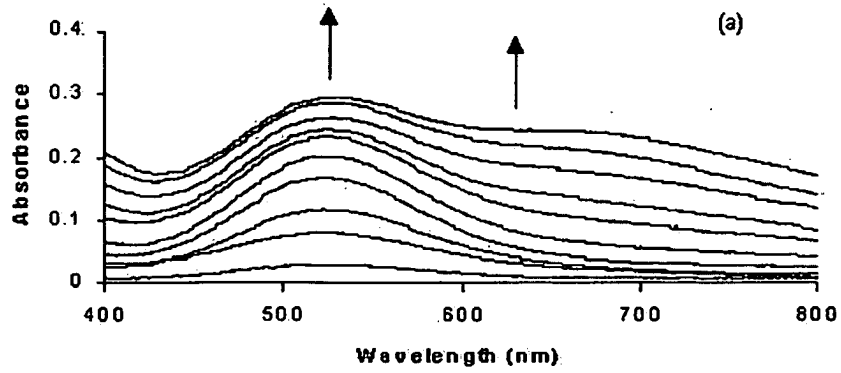
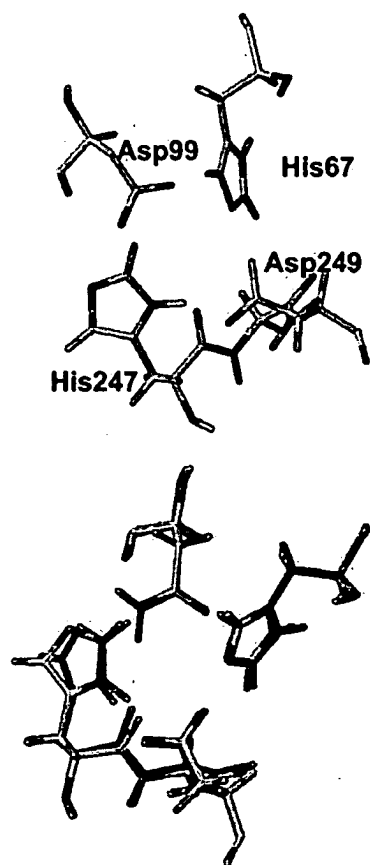


Figure 7

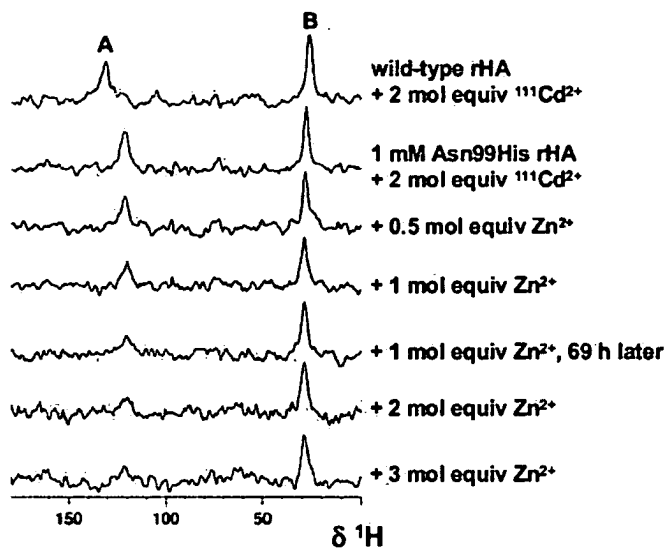




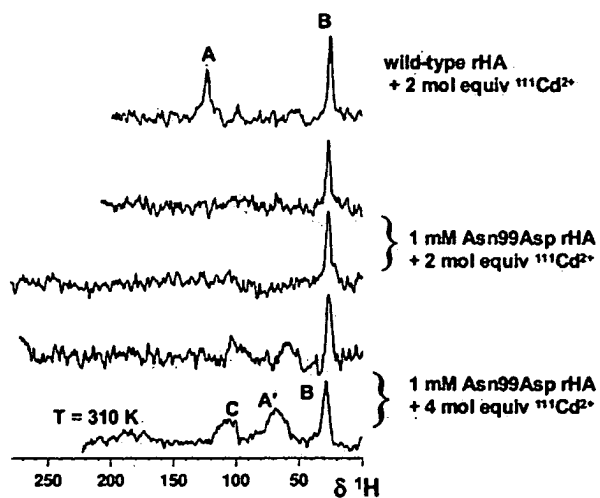
**Figure 8**



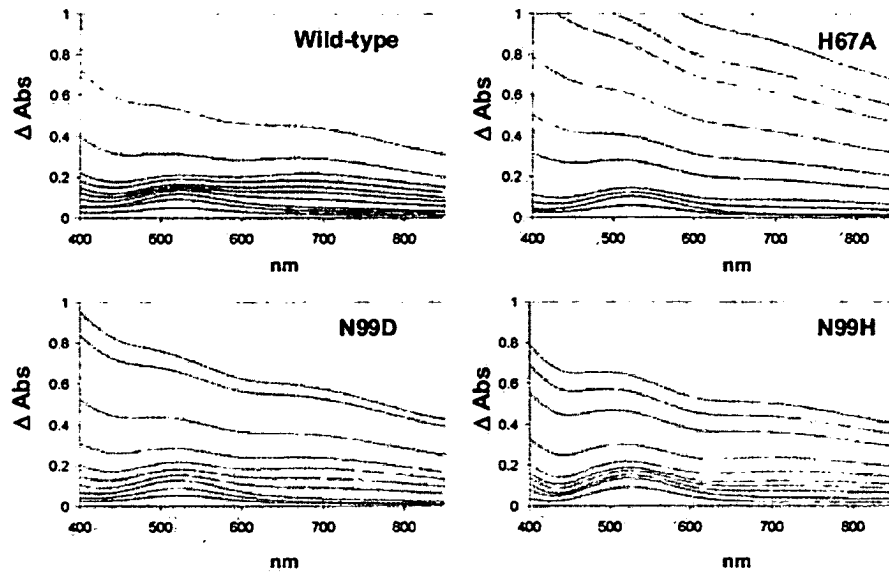
**Figure 9**



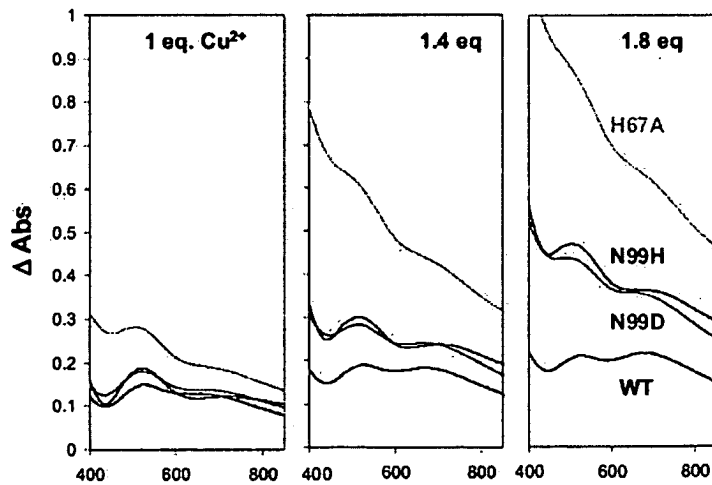
**Figure 10**



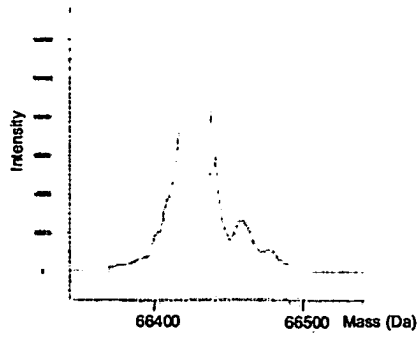
**Figure 11**



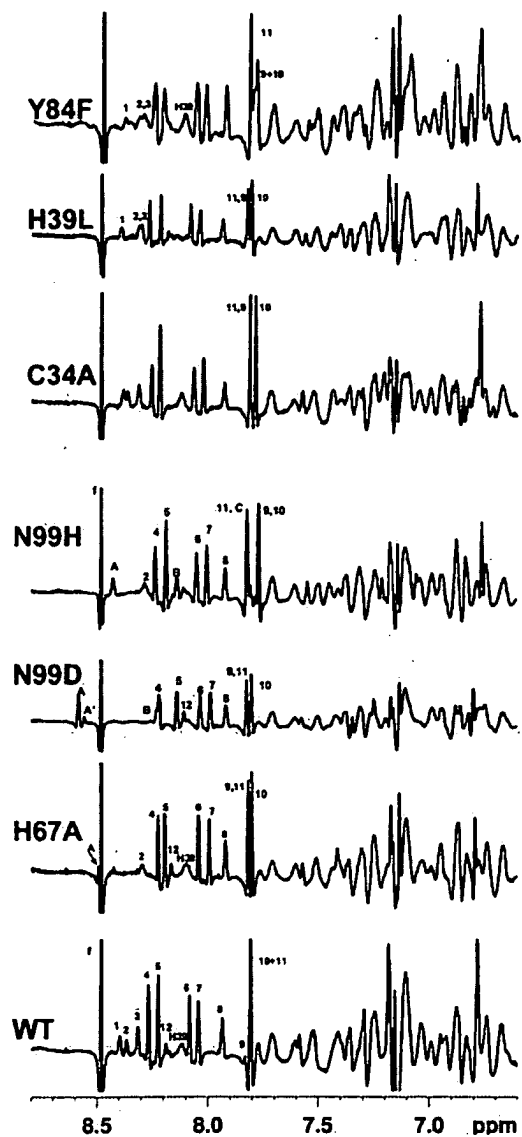
**Figure 12**



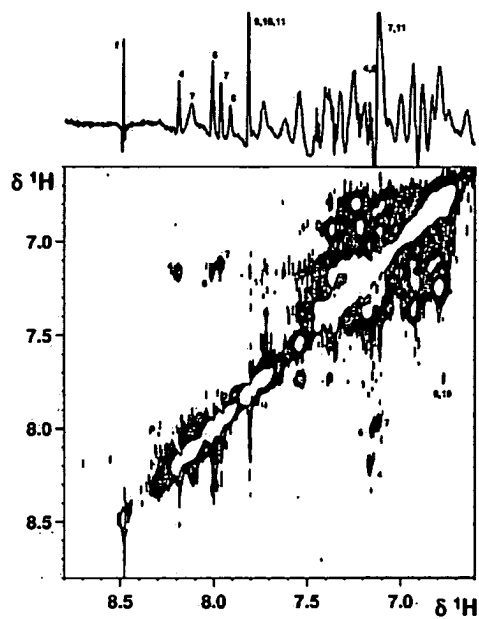
**Figure 13**



**Figure 14**



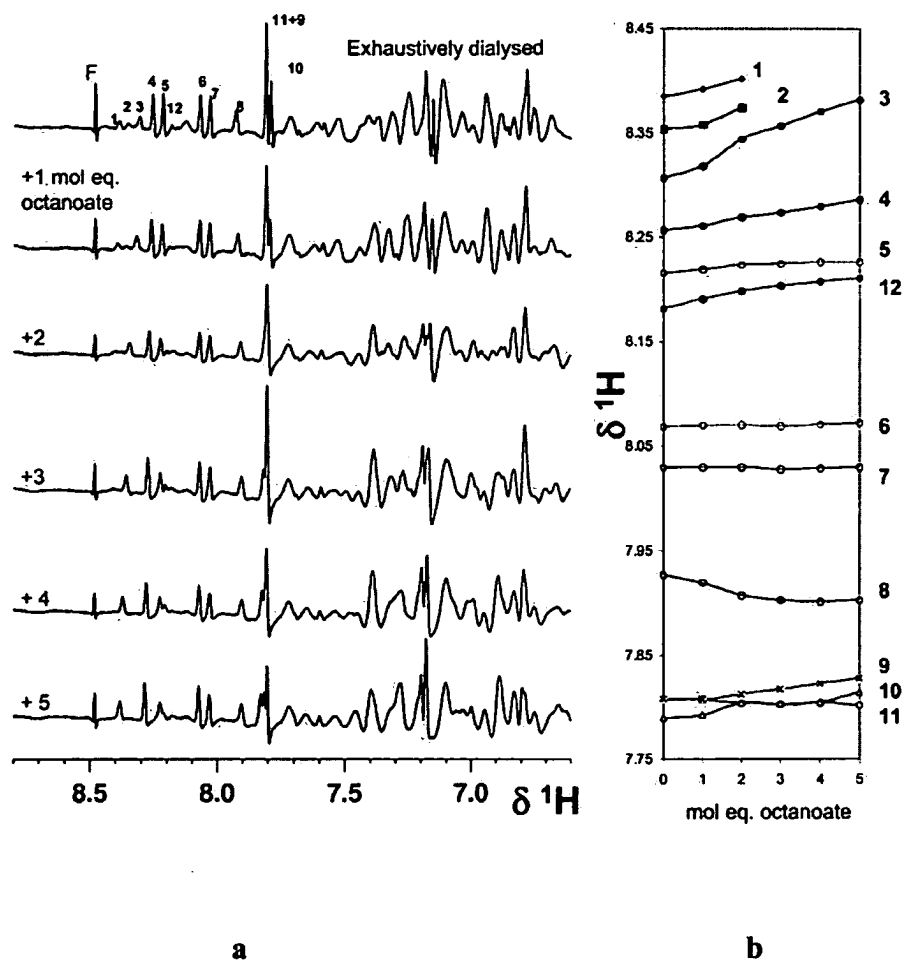
**Figure 15**



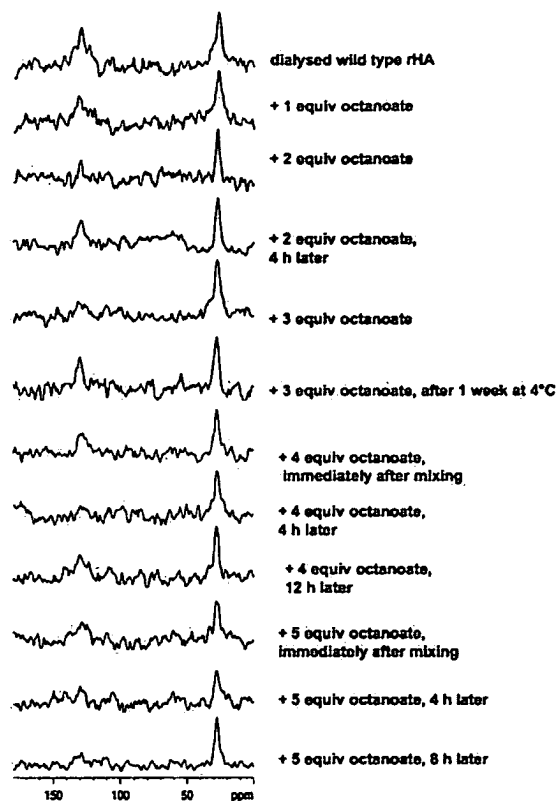
a

b

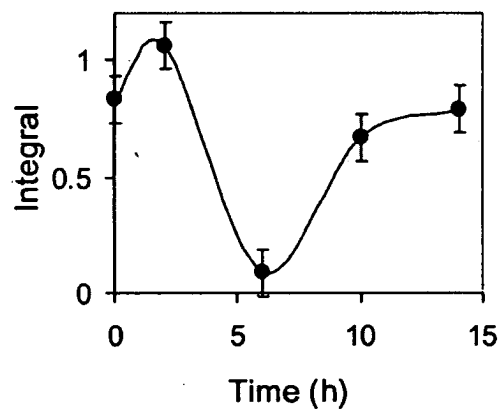
**Figure 16**



**Figure 17a**

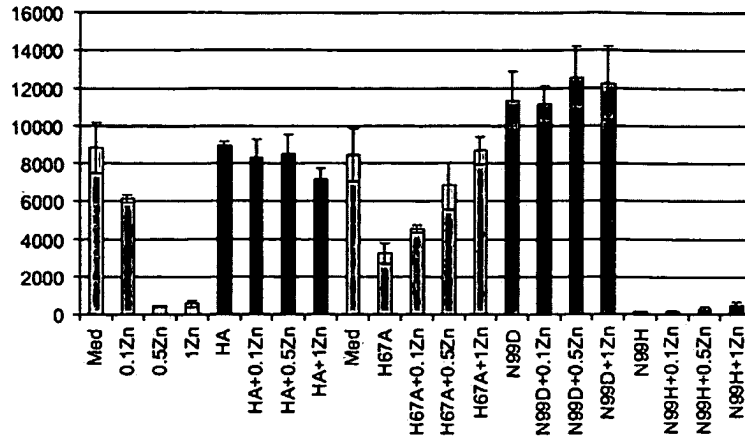


**Figure 17b**

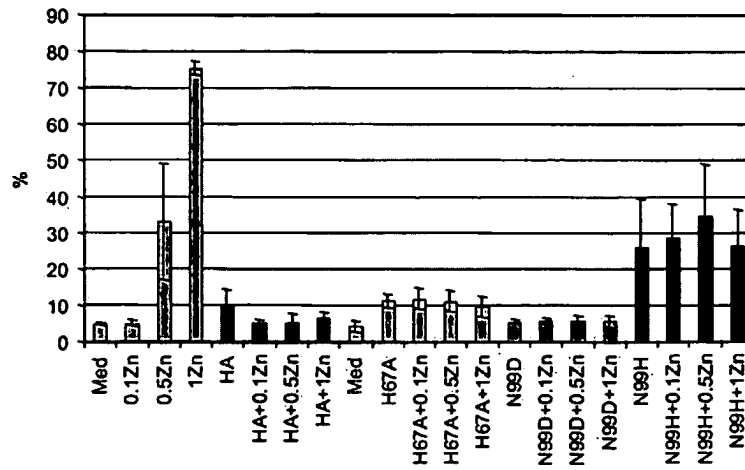




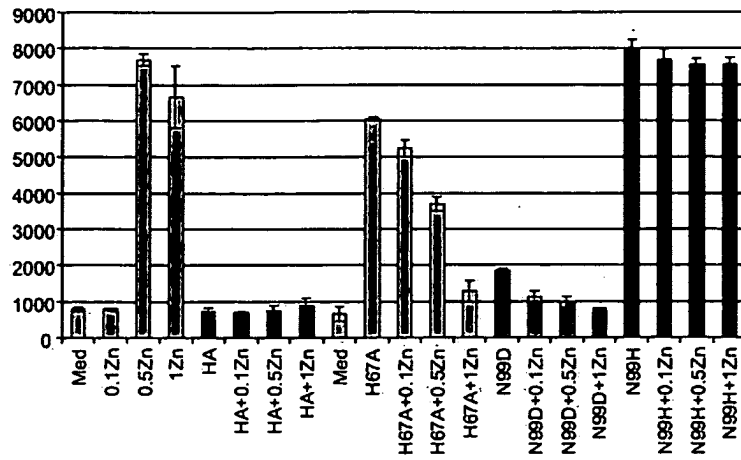
**Figure 18a**



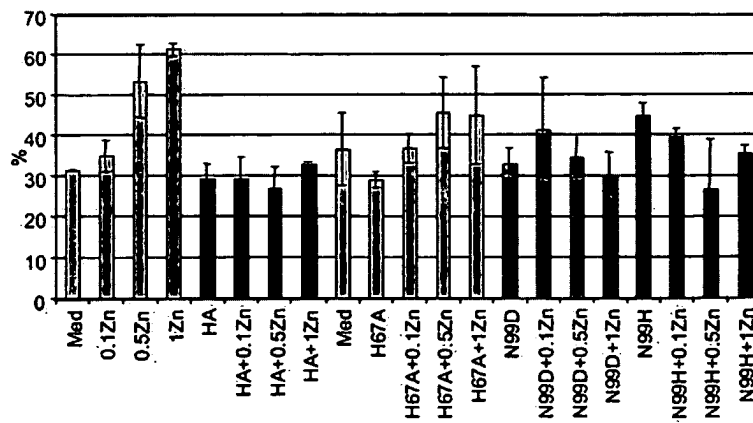
**Figure 18b**



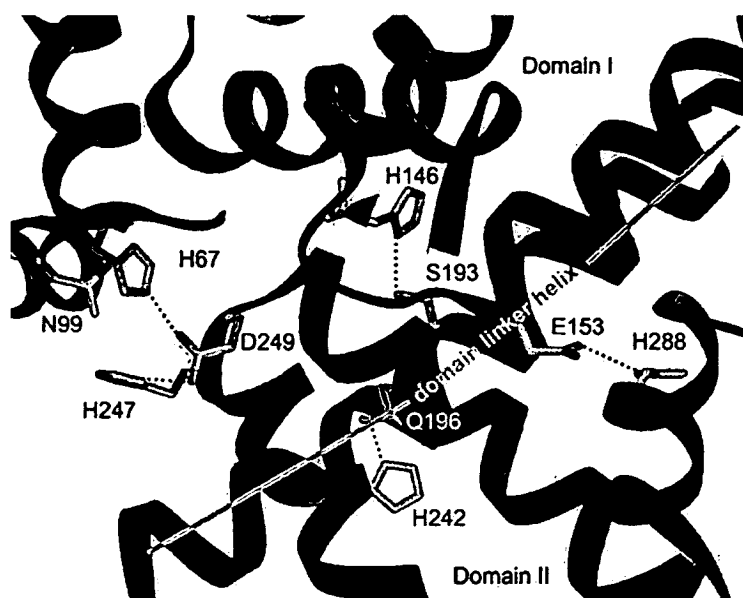
**Figure 18c**



**Figure 18d**



**Figure 19**



**Figure 20a**

[illegible]

HUMAN	RHPDYSVLLRLRAKTYETTLKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQNCELFE	420
MACAQUE	RHPDYSVMLLLRLAKAYEATLEKCCAAADPHECYAKVFDEFQPLVEEPQNLVKQNCELFE	412
CANINE	RHPEYSVLLRLRAKEYEATLEKCCATDDPTCYAKVLDEFKPLVDEPKNLVKTNCELFE	420
FELINE	RHPEYSVSLLLRLAKAYEATLEKCCATDDPPACYAHVFDEFKPLVEEPHNLVKTNCELFE	420
BOVINE	RHPEYAVSVLLRLAKAYEATLECCAKDDPHACYATVDFDKLHLVDEPQNLIKQNCQDFE	419
SHEEP	RHPEYAVSVLLRLAKAYEATLECCAKEDPHACYATVDFDKLHLVDEPQNLIKKNCLEF	419
PIG	RHPDYSVSLLLRLAKIYATLEDCCAKEDPPACYATVDFKQPLVDEPKNLIKQNCLEF	417
RABBIT	RHPDYSVLLRLRGKAYEATLEKCCATDDPHACYAKVLDEFQPLVDEPKNLVKQNCLEYE	420
RAT	RHPDYSVLLRLRAKTYEATLEKCCAEAGDPACYGTVLAEFPQPLVEEPKNLVKTNCLEYE	420

HUMAN	QLGEYKFNALLVRYTKKVPQVSTPTLVEVSRNLGKVGSKCKKHPEAKRMPCAEDYLSVV	480
MACAQUE	QLGEYKFNALLVRYTKKVPQVSTPTLVEVSRNLGKVGAKCKKLPEAKRMPCAEDYLSVV	472
CANINE	KLGEYGFQNALVRYTKKAPQVSTPTLVEVSRKLGVGKTKCKCKPESERMSCADDFLSVV	480
FELINE	KLGEYGFQNALVRYTKKVPQVSTPTLVEVSRSLGKVGSKCCTHPAERLSCADDFYLSV	480
BOVINE	KLGEYGFQNALIVRYTRKVPQVSTPTLVEVSRSLGKVGTRCCTKPSERMPCTEBYLSLI	479
SHEEP	KHGEYGFQNALIVRYTRKAPQVSTPTLVEISRSLGKVGTKCKAKPESERMPCTEBYLSLI	479
PIG	KLGEYGFQNALIVRYTRKVPQVSTPTLVEVARKLGLVGSRCRKPFEERLSCADDFLSLV	477
RABBIT	QLGDYFNQNALVRYTKKVPQVSTPTLVEISRSLGKVGSKCKKHPEAERLPCVEDYLSVV	480
RAT	KLGEYGFQNAVILVRYTQKAPQVSTPTLVEAARNLGRVGTKCCTLPEAQRILPCVEDYLSAI	480
: * * * * * : * * * * * : * * * * * : * * * * * : * * * * * :		

HUMAN	LNQLCVLHEKTPVSDRVTKCCTESLVNRRPCFSALEVDETYVPKEFNAETFTFHADICTL	540
MACAQUE	LNRLCVLHEKTPVSEKVTCKCTESLVNRRPCFSALELDEAYVPKAFNAETFTFHADMCTL	532
CANINE	LNRLCVLHEKTPVSEKVTCKCSES LVNRRPCFSGLVEDETYVPKEFNAETFTFHADICTL	540
FELINE	LNRLCVLHEKTPVSERVTKCTCESLVNRRPCFSLQVDETYVPKEFAETFTFHADLCTL	540
BOVINE	LNRLCVLHEKTPVSEKVTCKCTESLVNRRPCFSALTPDETYVPKAFDEKLFTFHADICTL	539
SHEEP	LNRLCVLHEKTPVSEKVTCKCTESLVNRRPCFSDLTLDETYVPKPDEFKFTFHADICTL	539
PIG	LNRLCVLHEKTPVSEKVTCKCTESLVNRRPCFSALTPTDITYPKPEFVEGTFTFHADLCTL	537
RABBIT	LNRLCVLHEKTPVSEKVTCKCSES LNRRPCFSALGPDETYVPKEFNAETFTFHADICTL	540
RAT	LNRLCVLHEKTPVSEKVTCKCSGSLVERRPCFSALTVDETYVPKEFKAETFTFHSIDCTL	540
***** * *		

HUMAN	SEKERQIKKQTALVELVKHKPKATKEQLKAVMDDFAAFVEKCKADDKETCFAEEGKKLV	600
MACAQUE	SEKEQGVKKQTALVELVKHKPKATKEQLKGVMDFNAFVEKCKADDKEACFAEEGPKFV	592
CANINE	PEAEKVKKQTALVELLKHHPKATEQLKVTMGDFGAFVEKCCAENKEGCFSEEGLPV	600
FELINE	PEAEKQIKQSALVELLKHHPKATEEQLLTKVTMGDFSVDKCCAAEDKEACFAEEGPKLV	600
BOVINE	PDTEKQIKKQTALVELLKHHPKATEEQLLTKVTMENFVAFVDKCCAADDEACFAVEGPLV	599
SHEEP	PDTEKQIKKQTALVELLKHHPKATEEQLLTKVTMENFVAFVDKCCAADDEKCGFVLGGPLV	597
PIG	PEDEKQIKKQTALVELLKHHPHATEEQLLTKVTNLGNFAFVQCCAAPDHACFAVEGPKFV	599
RABBIT	PETERKIKKQTALVELVKHKPHATNDQLTKTVVGFTALLDKCCSAEDKEACFAVEGPLV	600
RAT	PDKEKQIKKQTALAELVKHKPKATEDQLTKVTMGDFAQFVDKCCKAADKDNCFATEGPNLV	600

\* : \* : \* : \* : \* : \* : \* : \* : \* : \* : \* : \* : \* : \* : \* : \*

HUMAN	AASQAALGL	609
MACAQUE	AASQAALA-	600
CANINE	AAAQAALV-	608
FELINE	AAAQAALA-	608
BOVINE	VSTQTALA-	607
SHEEP	ASTQAALA-	607
PIG	IEIRGILA-	605
RABBIT	ESSKATLG-	608
RAT	ARSKEALA-	608